

Amendments to the Specification

Please replace the paragraph beginning at page 18, line 12, with the following rewritten paragraph:

The second fluid channels 354 have inlets at the rear face (not shown) and outlets at the mixing face 350, and are constructed from a pair of facing sheets 380. The inlets to the first fluid flow channels 392 are internal to the mixer 110 and the outlets are interleaved with the outlets of the first fluid channels 354 on mixing face 350. In the illustrated embodiment, the first fluid channels 392 are constructed to be substantially shallower than the second fluid channels 354 and they include a support rib 394 at their outlet on the mixing face 350. In one form, the first fluid flow channels 392 are about $\frac{1}{4}$ the full height of the second fluid flow channels 392.

Please replace the paragraph beginning at page 18, line 21, with the following rewritten paragraph:

In operation, the first fluid enters the top of the mixer 110 (per the FIG. 10 view) and passes into the tortuous channel 404 of the internal distribution sheet 400 (FIG. 13). The tortuous channels 404 convey the first fluid toward the rear face to the holes 402 just inside the rear face of the mixer 110. The first fluid drops through the holes 402 in sheet 400 into the first fluid flow channels 392 and then flows the length of the channels 392 to the outlet at the mixing face 350. The interleaved outlets of the different fluid channels on the mixing face 350 serves to efficiently mix the fluid. Also, paths 392 and 354 are in thermal contact through the device, which reduces temperature gradients that would otherwise lead to mal-distribution.